

Group 1245

# AMENDMENT TRANSMITTAL LETTER (Large Entity)

Applicant(s): Kiyoshi Yamaura, et al.

Docket No.

112857-301

Serial No.

09/964,910

Filing Date

September 27, 2001

Examiner

Unknown

Group Art Unit

1745

Invention: FUEL CELL AND METHOD FOR PREPARATION THEREOF

JAN 07 2002

## TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

### CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	25 -	20 =	5 x	\$18.00	\$90.00
INDEP. CLAIMS	4 -	3 =	1 x	\$84.00	\$84.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$174.00

- ☐ No additional fee is required for amendment.
- ☒ Please charge Deposit Account No. 02-1818 in the amount of \$174.00  
A duplicate copy of this sheet is enclosed.
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  - ☒ Any additional filing fees required under 37 C.F.R. 1.16.
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*Thomas C. Basso*

Signature

Dated: December 10, 2001

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I certify that this document and fee is being deposited on 12/10/01 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#6  
5-31-02  
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Applicant: Kiyoshi Yamaura, et al.  
Appl. No.: 09/964,910  
Filed: September 27, 2001  
Title: FUEL CELL AND METHOD FOR PREPARATION THEREOF  
Art Unit: 1745  
Examiner: Unknown  
Docket No.: 112857-301

COPY OF PAPER  
ORIGINALLY FILED

Assistant Commissioner for Patents  
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified patent application as follows:

**In the Specification:**

Please amend the paragraph beginning at line 3 of page 6 as follows:

A1  
According to an embodiment of the present invention, one or both of the fuel electrode 2 and the oxygen electrode 3 is directly formed on the electrode film 1. It should be appreciated that the electrodes can be composed of a variety of different and suitable materials or combinations thereof. In an embodiment, the electrodes include a needle-like, or fibrous carbonaceous material, such as carbon nanotubes, needle-like graphite (i.e. a graphite material having a fibrous structure), including vapor-grown carbon fibers (VGCF) manufactured by TOHO RAYON CO., LTD., like carbonaceous materials or combinations thereof.

Please amend the paragraph beginning at line 6 of page 8 as follows:

A2  
Table 1 (below) shows the measured results of the peel back force test for an electrode with a different ratio of carbon nanotubes (CNT) and graphite fibrous material (VGCF), where  $R = VGCF / (CNT + VGCF)$  as compared to other materials. The frequency of occurrence of peeling S was measured by bonding an adhesive tape to a film of  $9\text{cm}^2$  in area and by measuring the area of the tape left unpeeled on peeling. In Table 1, the values of the frequency of occurrence of peeling S in case of employing carbon black or graphite are also shown for comparison.

**In the Claims:**

Please cancel ~~claims 1-7~~, without prejudice, and substitute the following claims therefor:

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01 FC:102  
02 FC:103

84.00 OP  
90.00 OP

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